## ISSU ... SLIP STAPLE AREA (for additional cross references)

| POSITION            | INITIALS | ID NO. | DATE    |
|---------------------|----------|--------|---------|
| FEE DETERMINATION   | 15       | 68225  | 8/12/98 |
| O.I.P.E. CLASSIFIER |          | 10     | 8-12-98 |
| FORMALITY REVIEW    | · CM     | 71632  | 8/31/48 |

## INDEX OF CLAIMS

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | _ | Interference |
| - | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 |   | Objected     |

| B   B   F   F   F   F   F   F   F   F  | Clain  | n   | _                      | _        | _        | _        | D        | ate      |  | _              | _        | _        | )   | a  | alm       | Ι        |          |          | _        | D              | ate      | _            |          |              | - 1       | ſ        | Cta    | lm l     |          |          | _        | P        | ate      |          |          |              |           |
|--|--|-----|------------------------|----------|----------|----------|----------|----------|--|----------------|----------|----------|-----|----|-----------|----------|----------|----------|----------|----------------|----------|--------------|----------|--------------|-----------|----------|--------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|-----------|
| P  | =  | ą Į | $\boldsymbol{\varphi}$ | 4        |          | 1        |          | 1        | 1  | Τ              | T        | Γ        | 1   | Г  | -         | 10       | 1        | 9        | Т        | T              | Т        | Т            | Т        | T            | П         | }        |        | _        | Т        | Т        | Т        | Ť        | Ť        | 1        | $\top$   | Т            | Т         |
| P  | 필  | M   | ٠٧                     |          |          | ı        | 1        |          | 1  |                | ı        |          | ļ   | 2  | Ē         | 桶        | 1        | 3        | 1        | ı              |          |              |          |              | П         |          | a      |          | 1        |          |          |          | ı        | ı        | ĺ        |              |           |
| Y   S1   Y   | 1  | 깇   | -                      | 71       | ₽        | ╄        | 4        | ╀        | 4  | _              | 4        | ┸        | 4   | i. | ō         |          | Ľ        | 1        | L        | 丄              | Ţ.       | L            | L        |              | Ш         | Ì        | 듄      | 8        |          |          | 1        | 1        | 1        | 1        | 1        |              | 1         |
| 1  |  |     |                        | _        | ╄        | 4        | +        | ┸        | 4  | 4              | 4        | ┸        | 1   | 19 | 51        |          | I        | -L       |          |                |          | $\mathbf{L}$ | Г        | $\Gamma$     | П         |          |        |          | T        | 1        | ╅        | T        | +        | +        | +        | †            | ╈         |
| 1  |  |     | _                      | _        | ↓-       | ╀        | 1        | 4        | ╀  | ┸              | ┸        | 1        | 1   | 2  |           | Ш        | Ш        | L        |          |                |          | L            | Γ        | $\cdot \Box$ | П         | ı        |        | 112      | ╅        | $\top$   | 1        | ╅        | ╈        | $^{+}$   | †        | +            | 十         |
| C  |  |     | _                      | _        | L        | Ļ        | 4        | ┸        | ┸  | ┸              | 1        | L        | J   | 22 | (53       |          | ш        | L        |          |                | Γ        | Т            | Т        | Г            | П         | Ī        | $\neg$ | 113      | 1        | ╈        | 1        | 1        | Ť        | 十        | +        | $^{+}$       | +         |
| C  | H:   | 11  | 4                      |          | 1        | ╀        | +        | ╀        | ╀  | 4              | ┸        | 4-       | 1   | 23 | 54        |          |          | L        | Г        | L              | Г        | Γ            |          | Γ            |           |          |        | 114      | 7        | +        | 1        | 十        | Ť        | +        | +        | ✝            | +         |
| 1  | +  | Н   | -                      |          | ╀        | ╀        | ╀        | +        | 4  | 4              | 4        | ╀        | 4   | 24 |           | _        | Щ.       | ┸        | 丄        | L              | L        | $\perp$      | L        | L            |           | [        | T      | 115      | Т        | Т        | 1        | ┰        | T        | ┰        | T        | t            | †         |
| C  | H  | Н   | 4                      |          | L        | ╀        | +        | ╀        | +  | 1              | 4        | ╄        | 4   | X  | 56        |          | 11       | 丄        | 丄        | 上              |          | L            |          | L            | $\square$ |          |        |          | Т        | T        | Т        | Т        | T        | Т        | $\top$   | †            | +         |
| \$\frac{1}{1}  | H  | Н   | -                      |          | ⊢        | 1        | +-       | ╀        | +  | +              | ╀        | ↓_       | 4   | 26 | 57        |          | Ш        | ┸        | $\perp$  | ┸              | L        | L            | L        | L            |           |          |        |          | Т        | Т        | Т        | T        | T        | Т        | $\top$   | $^{\dagger}$ | $\top$    |
| 11   | H  | Н   | -                      | _        | Ŀ        | ╀        | ┼-       | ╀        | 4-   | ╀              | - -      | ╄        | 4   | 2  | 58        | W.       | Щ.       | ╀        | ╀        | Ļ              | _        | 上            | L        | L            | Ш         |          | _      |          |          | Т        | T        | Т        | Т        | T        | 1        | T            | 1         |
| 11   | 1  | Н   | $\dashv$               | -        | ┝        | ╀        | Ļ        | ⊬        | +-   | ╀              | +        | ╀        | 4   | 50 |           | 1        | Щ        | ┺        | ╄        | 1_             | ↓_       | L            | ↓_       | L            | Ш         |          |        |          | Ι        | Ι        |          | Т        | Τ        | Т        | Т        | Τ            | T         |
| 15   | 1  | H   | -                      | -        | ⊢        | ⊬        | ╀        | ╄        | ╀  | ┿              | +        | ╀        | 1   |    |           | <u> </u> | Ш        | ╄        | 1        | ┺              | ┖        | L            | ㄴ        | L            | Ц         |          |        |          |          | Г        | L        | Ι        | Ι        | T        | Т        | T            | T         |
| 15   | 1  | H   | +                      | _        | ⊢        | ⊢        | ╁        | ╀        | ╀  | +-             | ╀        | ╁-       | ļ   |    |           | ┞        | Щ.       | ╀        | ╄        | ╙              | ↓_       | _            | 1_       | _            | Ш         |          |        |          |          |          |          | Ι        | Г        | Т        | Т        | Т            | Т         |
| 15   | H  | H   | ┥                      |          | ┝        | $\vdash$ | ╁        | ╁        | +-   | ╀              | +-       | ₽        | 1   | 13 |           | $\vdash$ | Н-       | 1        | ┺        | ⊢              | -        | ╙            | ┞_       | ╙            | Ш         |          |        |          |          | $\perp$  | Γ        | Γ        | Γ        |          | I        | Γ            | I         |
| 15   | <u>!                                      </u> | H   | +                      | -        | ┢        | ⊢        | ╀        | ╁        | ╁  | ╀              | ╄        | ╀        | 1   | 14 |           | ├        | #        | 1        | $\vdash$ | ┺              | <b> </b> | $\vdash$     | L        | $\vdash$     | Ш         |          |        |          |          |          | Γ        | Γ        | Γ        | $\Gamma$ | Г        | Γ            | Γ         |
| 1  | 1  | (+  | +                      |          | ⊢        | ⊢        | +-       | +        | ╁  | +-             | ╁        | ╀        | ł   |    |           | H        | #        | 1        | ⊢        | ⊢              | ↓_       | <b> </b>     | <u> </u> | ┞_           | Ш         | L        |        |          | L        | L        | Ĺ        | L        | L        | L        | $\Box$   | Γ            | Γ         |
| 18   | <del>                                  </del>  | +   | +                      | -        | $\vdash$ | ⊢        | ╅        | +-       | ┰  | ╁              | ╀        | ╁        | 1   | 띥  |           | $\vdash$ | #-       | ⊢        | ╁_       | ⊢              | ╙        | <b> </b>     | ⊢        | ┞            | Ц         | Ļ        |        |          | $\perp$  | Ļ        | L        | Ĺ        |          |          | $\Gamma$ | Γ            | Γ         |
| 18   | <del>   ;</del> }                              | +   | +                      | ᅱ        | $\vdash$ | ┢        | +        | ╁        | ╁  | ╁              | +        | $\vdash$ | 1   | 20 |           | -        | Ŧ        | $\vdash$ | $\vdash$ | $\vdash$       | ₩        | ⊢-           | _        | L            | Ц         | L        |        |          | $\perp$  | L        | L        | Ľ        | Ĺ        | $\Gamma$ | $\Box$   | Ľ            |           |
| 10   | 1 11   | 1   | +                      | $\dashv$ | Н        | H        | ╁        | +        | +  | ╁              | +        | $\vdash$ | 7   | -  |           | H        | _        | $\vdash$ | ⊢        | $\vdash$       | ⊢        | -            | L        | H            | Н         | L        |        |          | $\perp$  | L        | L        | L        | L        | Ľ        | $\Box$   | Ĺ            | $\Box$    |
| 20   | 11   | +   | +                      | -        | Н        | ┝        | ╁        | ┢        | ╁  | ╁              | ╀        | ⊢        | ł   | -  |           | Н        | _        | ⊢        | ┼-       | ⊢              | ⊢        | <u> </u>     | L        | Ш            | Щ         | -        |        |          | Ļ.       | L        | L        | L        | L        | L        | L        | L            | L         |
| 78 79 129 129 129 130 130 131 131 132 133 133 133 133 133 133 134 134 134 134  |  |     | ╅                      |          | -        | ┝        | +        | ╁        | ╁  | ╀              | ╁        | ⊢        | ł   | Н  | _         | Н        |          | ⊢        | ⊢        | ├-             | Ь.       | _            | _        |              | Ц         | L        | _      | _        | ┸        | 上        | <u> </u> | L        | L        |          | L        | Γ            | L         |
| 78 79 129 129 129 130 130 131 131 132 133 133 133 133 133 133 134 134 134 134  | 1  | +   | +                      | -        | _        | H        | ┼        | ├        | ╀  | ╀┈             | ╀        | _        | l   | Н  |           | Щ        |          | ╙        | ļ        | L              | L        | L            |          |              | Ш         | L        |        |          | L        |          | 1        |          | П        | Γ        | П        | Г            | П         |
| 78 79 129 129 129 130 130 131 131 132 133 133 133 133 133 133 134 134 134 134  | 1  | +   | +                      | 4        | -        | -        | ⊢        | <b>├</b> | ╄  | ⊢              | ļ.       | ⊢        | l   | Н  | _         | _        | _        | L        | ┖        | L              | ᆫ        | L            | L        | Ш            |           | L        |        |          | L        | Г        | Π        | Г        | T        |          | T        | Т            | Τ         |
| 78 79 129 129 129 130 130 131 131 132 133 133 133 133 133 133 134 134 134 134  | 1  | +   | +                      | $\dashv$ | -        | ⊢        | ⊢        | ⊢        | +-   | ╀              | ╀        | ├-       | l   | Н  |           | Ц        | _        | L        | ╙        | L_             | ᆫ        |              | Ц.       | Ш            |           |          |        |          |          |          | Г        |          | Г        | Т        | Г        | T            | Т         |
| 78 79 129 129 129 130 130 131 131 132 133 133 133 133 133 133 134 134 134 134  | 1 7  | 7   | +                      | ┥        | _        | ⊢        | ⊢        | -        | ┾  | ⊬              | ┼        | ⊢        |     | Ы  |           | _        |          | L.       | ╙        | _              | Щ        |              |          | Ш            |           | L        |        |          |          |          |          |          |          | Г        | Γ        | Г            | Т         |
| 78 79 129 129 129 130 130 131 131 132 133 133 133 133 133 133 134 134 134 134  | <del>-  ;</del> [                              | +   | +                      | ┥        |          | ┝        | ├        | ⊢        | -  | ⊢              | ⊢        | ├        |     | Н  |           |          |          | _        | L.       | <u> </u>       | Ш        | L.           |          |              |           | L        |        |          |          | L        |          | Π        |          | Т        | П        | Г            | Г         |
| 78 79 129 129 129 130 130 131 131 132 133 133 133 133 133 133 134 134 134 134  | 1 2  | +   | +                      | -        | -        | H        | ├        | ⊢        | ╁  | ┝              | ⊢        | H        | l   | Н  |           |          | _        | L        | ļ.,      | L              | L        | _            |          |              | Ц         | L        |        |          |          |          |          | Г        | Г        | Г        | Г        | Г            | Т         |
| 78 79 129 129 129 130 130 131 131 132 133 133 133 133 133 133 134 134 134 134  | 1  | ╁   | +                      | +        | -        | H        | ⊢        | ⊢        | ⊢  | ├-             | ╀        | $\vdash$ |     |    |           | -        |          | L        | <u> </u> | Ш              |          |              |          |              | _         | L        |        |          | 上        |          | L        |          | L        |          |          | Г            | Г         |
| 128  | 2  | ╁   | +                      | 4        |          |          | ⊢        | ┝        | ⊢  | ├              | ┼-       | Н        |     |    |           | _        | _        | L        | ļ.,      |                | Ш        |              |          | Ц            | _         | L        |        |          | L.       |          | L        |          | L        | Г        |          | Γ            | Г         |
| 32   | e d  | H   | +                      | -        | _        | -        | ⊢        | ⊢        | ⊢  | -              | ├-       | $\vdash$ |     |    |           | _        |          | ⊢        |          |                | Щ        | Щ            | _        | Ц            | _         | L        | _      |          | L        | L        | L        | L        |          |          |          |              | $\Box$    |
| 32   | 36   | H   | +                      | +        | -        | _        |          | ┝┈       | ╁  | ├              | ╌        | $\vdash$ |     |    |           | -1       |          | <u> </u> | H        | _              |          | Щ            | _4       |              | _         | L        | _      |          | ↓_       | ᆫ        | <u> </u> |          | L        | L        | $\Box$   |              |           |
| 32   | 1 3  | t   | +                      | +        | _        | _        |          | -        | H  | ┢              | ╁╌       | $\vdash$ |     |    |           | -+       | _        | -        | Н        | Щ              |          |              | 4        |              | 4         | ⊢        |        |          | L        | Ļ        | ᆫ        | L        | L        | 匚        | Ш        |              |           |
| 1  | 132  | t   | +                      | 7        | -        | _        | -        | $\vdash$ | !-   | ┢              | ┝        | Н        |     |    |           | ⊣        | _        | Н        | -        | _              |          | -            | -        | 4            | 4         | L        |        |          | L        | _        | L        | ╙        | _        | 乚        | Ш        | L.,          | $\Box$    |
| 1  | 33   | t   | +                      | 7        | $\neg$   |          | $\vdash$ | ⊢        | ╁  | ┝              | +-       | Н        |     |    |           | $\dashv$ | _        | _        | Н        | $\dashv$       |          |              | -        |              |           | L        |        |          | ┖        | 辶        | L.       | _        | <u>L</u> | L        | Ш        | L            | $\Box$    |
| 1  | 34   | t   | +                      | +        | $\dashv$ | _        |          | $\vdash$ | $\vdash$   | ┢              | $\vdash$ | Н        |     |    |           | $\dashv$ | -        | H        | Н        | Н              | $\dashv$ | -4           | -        | -            | $\dashv$  | -        |        |          | ┞-       | $\vdash$ | L.       | _        | <u> </u> | <u>Ļ</u> | Ш        | L            | ЩÌ        |
| 1  | 35   | 1   | Ť                      | +        | ٦        |          |          | $\vdash$ | <del>                                     </del> | Η-             | $\vdash$ | Н        |     | -  | _         | -+       | -        |          | Н        | $\vdash$       | -        |              | $\dashv$ | -            | $\dashv$  | F        |        |          | ⊢        | _        | $\vdash$ | <u> </u> | L        | ╙        | Ш        | L            | $\perp$   |
| 2 37   137   137   138   138   138   138   138   138   138   138   138   138   139   140   141   | 1 (36)   | Ī   | 1                      | 롸        | 7        | _        | Н        | -        |  | t              | $\vdash$ | Н        |     |    |           | $\dashv$ | -        |          | $\vdash$ | -              |          | $\dashv$     | -        | $\dashv$     | -         | -        |        |          | ⊢-       | L        | <u> </u> | $\vdash$ | L        | _        | Ш        | <u>_</u>     | ш         |
| 2 38   | 2 37   | П   | #                      | 1        | 7        | ٦        | Н        | Н        |  | $\vdash$       |          | $\vdash$ |     |    |           | +        |          | -        | $\vdash$ | $\dashv$       | -1       | ᅱ            | -        | $\dashv$     | $\dashv$  | +        |        | 1        | ├-       | L        | <u> </u> | $\vdash$ | <u> </u> | $\vdash$ | Ш        | L            | Ш         |
| Second   S   | 3 38   | П   | $\dagger$              | +        |          |          | П        | Н        | Ι-   | $\vdash$       | H        | ᅥ        |     |    |           | +        | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$       |          | -            | +        | +            | $\dashv$  | -        | _      |          | <u> </u> | H        | <u> </u> | H        | <u> </u> | $\vdash$ | Щ        | Щ            | ш         |
| S  | 4 39   | П   | Ħ                      | 7        | 7        | $\neg$   | Н        |          |  | -              | $\vdash$ | $\vdash$ |     |    |           | $\dashv$ | -        | $\dashv$ |          | <del>-</del> i | $\dashv$ |              | $\dashv$ | -            | $\dashv$  | H        |        |          | Η.       | H        | L        |          | L        | <u> </u> | $\sqcup$ | Щ            | ш         |
| 6 41   7 42   8 43   91 141   92 142   93 94   143 143   10 45   11 46   17 47   98 148   19 148   99 149  | 2 60   | П   | Ħ                      | 7        | ┪        | 7        | $\vdash$ | -        | Н  | Н              |          | $\dashv$ |     |    |           | $\dashv$ | $\dashv$ | $\dashv$ |          | -              |          | -+           | $\dashv$ | -+           | $\dashv$  | $\vdash$ | _      | _        | Н        | L        | Щ        | Н        | L        | Н        | Ш        | Н            | 니         |
| 7 42 1 1 1 2 1 1 4 2 1 1 1 4 3 1 1 4 3 1 1 4 4 1 1 1 4 4 1 1 1 4 4 1 1 1 4 4 1   | 6 41   | Н   | H                      | 7        | -        | -        | $\vdash$ | -        |  | $\vdash$       | -        | $\dashv$ |     | _  |           | $\dashv$ | $\dashv$ | -        | $\dashv$ |                |          | $\dashv$     |          | 4            | 4         | -        | _      |          | <b> </b> | Ц        |          | Ш        | _        |          | Ш        | Ш            | Ш         |
| 93   143   144   144   144   144   144   144   144   145   145   145   146   147   147   147   147   149   1 | 7 42   | H   | +                      | +        | +        | $\dashv$ | $\vdash$ | H        | Н  | $\vdash$       | Н        | $\dashv$ |     | _  |           | +        | 4        | $\dashv$ |          | _              |          |              | 4        |              | 4         | L        |        |          | Ш        | Ц        |          |          | _        |          | Ш        |              | Ш         |
| 94 144 145 145 145 145 145 146 146 147 147 147 147 149 149 149 149 149 149 149 149 149 149   | g 43   | Н   | H                      | +        | -+       | $\dashv$ |          | ٦        | $\vdash$   | $\vdash$       | $\vdash$ | $\dashv$ |     |    |           | -+       | 4        | $\dashv$ |          | -              |          | _            | 4        | -            | 4         | $\perp$  |        |          |          | Щ        | Щ        |          |          |          | Ш        |              |           |
|  | 0 44   | Н   | ╫                      | +        | +        | $\dashv$ |          | $\dashv$ | Н  | $\vdash$       | Н        |          |     |    |           | -+       | ᆛ        | 4        | <b>-</b> | $\dashv$       | -+       | $\dashv$     | +        | 4            | 4         |          | _      |          | Ш        | Ц        |          | Ц        |          |          |          | Ĺ            |           |
|  | 10 45  | Н   | H                      | ╁        | +        | -        |          |          | $\vdash$   | $\vdash\dashv$ | H        | ⊣        |     |    |           | +        | 4        | -        |          |                | 4        |              | 4        | 4            | $\dashv$  | L        |        |          | Ш        |          |          | Ш        |          | $\Box$   | $\sqcup$ |              | $\square$ |
| 17   47   97   147   148   149   1   | 11 46  | H   | ++                     | +        | +        | -        | -        | $\dashv$ | -  |                | Н        | $\dashv$ | - 1 |    | _         | +        | +        | 4        | -        | <del>-</del>   | -        | -+           | 4        | 4            | 4         | <u> </u> | _      | _        | $\sqcup$ | Ц        | _        | Ш        |          | Ш        | $\sqcup$ |              |           |
| 7 49 9 99 99 149 149   | 12/47  | Н   | #                      | +        | +        | +        | $\dashv$ |          | $\dashv$   | $\dashv$       | $\vdash$ | $\dashv$ |     |    |           | +        | +        |          | -        | -              | -        | 4            | 4        | 4            | 4         | $\vdash$ |        |          | $\sqcup$ | _        |          |          |          | Ш        |          |              |           |
| 7 49 9 99 149  | 6 68   | Н   | ╫                      | +        | +        |          | $\dashv$ |          |  | $\dashv$       | $\vdash$ | $\dashv$ | - 1 |    |           | +        | +        | -        | $\dashv$ | -+             | $\dashv$ | -+           | 4        | +            | _         | $\vdash$ |        |          | Ш        | _        | _        | $\Box$   |          | Ш        | _1       |              | Ш         |
| (VISO VI 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-  | 7 49   | ٦   | ##                     | +        | +        | +        | $\dashv$ | -        |  | $\dashv$       | $\vdash$ | $\dashv$ | - } | _  | _         | +        | +        | -+       | -        | -+             | -        | +            |          | +            | 4         | L        |        | _        |          | _        |          | _        | _        | Ц        |          |              | 口         |
|  | / 8 50   | 4   | 1                      | 扌        | +        | $\dashv$ | -+       | $\dashv$ |  | $\dashv$       | $\dashv$ | $\dashv$ | }   |    |           | +        | $\dashv$ | 4        |          | $\dashv$       | -+       | $\dashv$     | -        | $\dashv$     | 4         | $\vdash$ |        |          |          | _        | _        | _        | ,        |          | $\perp$  | $\Box$       | Ш         |
|  |  | •   | •                      |          | +        | _        |          |          |  |                |          |          | ı   |    | <u>~4</u> |          |          | _        |          | !              |          | _1           |          |              |           | ┕        | П5     | <u> </u> | Ш        |          |          | $\perp$  |          |          |          | ┙            | $\sqcup$  |

If more than 150 claims or 10 actions staple additional sheet here

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